```
File 344:Chinese Patents Abs Aug 1985-2004/May
         (c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/Dec(Updated 050405)
         (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200524
         (c) 2005  Thomson Derwent
File 348:EUROPEAN PATENTS 1978-2005/Apr W02
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050414,UT=20050407
         (c) 2005 WIPO/Univentio
File 331:Derwent WPI First View    UD=200524
         (c) 2005  Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
         (c) 2002 INPI.  All rts. reserv.

Set     Items   Description
S1      48809   (AIRPLANE? OR BUS OR TRAIN OR TRAINS OR LOCOMOTIVE? OR SHIP
             OR SHIPS OR CRANE OR CRANES OR TRUCK OR TRUCKS OR LORRY OR L-
             ORRIES OR FLEET OR FLEETS)(5N)(EQUIPMENT OR PART OR PARTS OR -
             COMPONENT?)
S2      20612   MECHANICAL()(EQUIPMENT OR PART OR PARTS OR COMPONENT?)
S3       3655   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(ONLINE -
             OR ON()LINE OR COMPUTERI? OR AUTOMATE?)
S4      27063   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(STORE OR
             STORES OR STORING OR STORED)
S5       3970   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(RECORD -
             OR RECORDS)
S6      10520   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(DATABAS-
             E? OR DB OR DATA()(BASE? OR FILE?) OR DATABANK? OR DATA()BANK-
             ?)
S7       2344   (MANUAL OR MANUALS OR DOCUMENTATION OR GUIDE OR GUIDES OR -
             TECHNICAL()DOCUMENT?)(5N)(DATABASE? OR DB OR DATA()(BASE? OR -
             FILE?) OR DATABANK? OR DATA()BANK?)
S8       9465   (MANUAL OR MANUALS OR DOCUMENTATION OR GUIDE OR GUIDES OR -
             TECHNICAL()DOCUMENT?)(5N)(ONLINE OR ON()LINE OR COMPUTERI? OR
             AUTOMATE?)
S9        439   (S3 OR S4 OR S5 OR S6 OR S7 OR S8)(5N)(SAFETY OR RELIABILI-
             T? OR PERFORMANCE? OR COMPLIAN?)
S10      1257   (S3 OR S4 OR S5 OR S6 OR S7 OR S8)(5N)(MAINTAIN? OR MAINTE-
             NANCE OR UPGRAD? OR OVERHAUL? OR REPAIR? OR EVALUAT?)
S11       479   AU=(GARROW, G? OR GARROW G? OR NEWTON, C? OR NEWTON C? OR -
             WEIR, P? OR WEIR P? OR WEST, D? OR WEST D? OR WETZER, M? OR W-
             ETZER M?)
S12        16   (S1 OR S2) AND S11
```

**12/3,K/1 (Item 1 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

015030819 **Image available**
WPI Acc No: 2003-091336/200308
Related WPI Acc No: 2002-394597; 2002-394599; 2002-405413; 2003-240110; 2003-248626; 2003-248627; 2003-248628; 2003-278941; 2005-064154
XRPX Acc No: N03-072271

**Equipment maintenance management method involves scheduling equipment maintenance based on component data, service person data, predictive maintenance factors and installation date of components of equipment**

Patent Assignee: ACCENTURE LLP (ACCE-N); WETZER M (WETZ-I)
Inventor: **WETZER M ; GARROW G R ; NEWTON C P I ; WEIR P E ; WEST D P**
Number of Countries: 101 Number of Patents: 005
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| US 20020143421 | A1 | 20021003 | US 2001825633 | A | 20010403 | 200308 | B |
| WO 200282710 | A2 | 20021017 | WO 2002US9303 | A | 20020321 | 200308 | |
| EP 1386277 | A2 | 20040204 | EP 2002717720 | A | 20020321 | 200410 | |
| | | | WO 2002US9303 | A | 20020321 | | |
| AU 2002248704 | A1 | 20021021 | AU 2002248704 | A | 20020321 | 200433 | |
| US 6738748 | B2 | 20040518 | US 2001825633 | A | 20010403 | 200433 | |

Priority Applications (No Type Date): US 2001825633 A 20010403
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| US 20020143421 | A1 | | 24 | G06F-019/00 | |
| WO 200282710 | A2 | E | | H04L-000/00 | |

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

| | | | | | |
|---|---|---|---|---|---|
| EP 1386277 | A2 | E | | G06F-019/00 | Based on patent WO 200282710 |

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

| | | | | | |
|---|---|---|---|---|---|
| AU 2002248704 | A1 | | | G06F-019/00 | Based on patent WO 200282710 |
| US 6738748 | B2 | | | G06F-017/60 | |

Inventor: **WETZER M ...**

... **GARROW G R ...**

... **NEWTON C P I ...**
... **WEIR P E ...**

... **WEST D P**

Abstract (Basic):
... For managing maintenance of equipment such as **mechanical equipment** e.g. power generator, industrial presses, manufacturing equipment, electronic equipment e.g. data processor and...

**12/3,K/2 (Item 2 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014584709 **Image available**
WPI Acc No: 2002-405413/200243
Related WPI Acc No: 2002-394597; 2002-394599; 2003-091336; 2003-240110; 2003-248626; 2003-248627; 2003-248628; 2003-278941; 2005-064154
XRPX Acc No: N02-318274

**Maintaining** mechanical equipment **configurations database by using physical configuration database with separate databases for end items serial and parts numbers**

Patent Assignee: ACCENTURE LLP (ACCE-N); ASHBY G (ASHB-I); GARROW G R (GARR-I); NEWTON C P (NEWT-I); WEIR P E (WEIR-I); WEST D P (WEST-I); WETZER M (WETZ-I)
Inventor: **GARROW G R ; NEWTON C P ; WEIR P E ; WEST D P ; WETZER M ;** ASHBY G
Number of Countries: 098 Number of Patents: 004
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---|---|---|---|---|---|---|
| WO 200233625 | A1 | 20020425 | WO 2001US32154 | A | 20011016 | 200243 B |
| AU 200211750 | A | 20020429 | AU 200211750 | A | 20011016 | 200255 |
| US 20020194160 | A1 | 20021219 | US 2000690793 | A | 20001017 | 200303 |
| | | | US 2001946160 | A | 20010904 | |
| EP 1337947 | A1 | 20030827 | EP 2001979827 | A | 20011016 | 200357 |
| | | | WO 2001US32154 | A | 20011016 | |

Priority Applications (No Type Date): US 2001946160 A 20010904; US 2000690793 A 20001017
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| WO 200233625 | A1 | E | 34 | G06F-017/60 | |
| | Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW | | | | |
| | Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW | | | | |
| AU 200211750 | A | | | G06F-017/60 | Based on patent WO 200233625 |
| US 20020194160 | A1 | | | G06F-007/00 | Cont of application US 2000690793 |
| EP 1337947 | A1 | E | | G06F-017/60 | Based on patent WO 200233625 |
| | Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR | | | | |

**Maintaining** mechanical equipment **configurations database by using physical configuration database with separate databases for end items serial and...**
Inventor: **GARROW G R ...**

... **NEWTON C P ...**

... **WEIR P E ...**

... **WEST D P ...**

... **WETZER M**

Abstract (Basic):
... There is an INDEPENDENT CLAIM for a system for maintaining a **mechanical equipment** configurations database...

...Method is for maintaining a database of configurations of **mechanical equipment** e.g. **airplanes** .

Sylvia Keys 19-Apr-05 02:54 PM

**12/3,K/3 (Item 3 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014573893 **Image available**
WPI Acc No: 2002-394597/200242
Related WPI Acc No: 2002-394599; 2002-405413; 2003-091336; 2003-240110; 2003-248626; 2003-248627; 2003-248628; 2003-278941; 2005-064154
XRPX Acc No: N02-309367
**Multiple component configuration, for** mechanical equipment , **that provides a structured procedure for managing information on equipment parameters**
Patent Assignee: ACCENTURE LLP (ACCE-N)
Inventor: **GARROW G R ; NEWTON C P ; WEIR P E ; WEST D P ; WETZER** M
Number of Countries: 096 Number of Patents: 002
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---|---|---|---|---|---|---|
| WO 200233619 | A1 | 20020425 | WO 2001US29384 | A | 20010918 | 200242 B |
| AU 200191139 | A | 20020429 | AU 200191139 | A | 20010918 | 200255 |

Priority Applications (No Type Date): US 2000690793 A 20001017
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| WO 200233619 | A1 | E | 34 | G06F-017/60 | |

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

| | | | | | |
|---|---|---|---|---|---|
| AU 200191139 | A | | G06F-017/60 | Based on patent WO 200233619 | |

**Multiple component configuration, for** mechanical equipment , **that provides a structured procedure for** managing information on equipment **parameters**
Inventor: **GARROW G R** ...

... **NEWTON C P** ...

... **WEIR P E** ...

... **WEST D P** ...

... **WETZER M**

Abstract (Basic):
... A desired **mechanical equipment** configuration is compared with the actual configuration, so that if necessary the actual configuration can...
... For **mechanical equipment** , such as **locomotives** and industrial presses...

...Ensures the safety, performance, reliability, and legal compliance of the **mechanical equipment** .
...

...The figure illustrates the flow chart for the multiple component

configuration of **mechanical equipment** .

**12/3,K/4 (Item 1 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01577427
**IDENTIFICATION, CATEGORIZATION, AND INTEGRATION OF UNPLANNED MAINTENANCE, REPAIR AND OVERHAUL WORK ON** MECHANICAL EQUIPMENT
**IDENTIFIKATION, KATEGORISIERUNG UND INTEGRIERUNG FUR UNGEPLANTE WARTUNG-, REPARATUR- UND UBERHOLUNGSARBEIT FUR MECHANISCHE AUSRUSTUNG**
**IDENTIFICATION, CATEGORISATION ET INTEGRATION DE TACHES NON PLANIFIEES DE MAINTENANCE, DE REPARATION ET DE REVISION RELATIVES A UN EQUIPEMENT MECANIQUE**
PATENT ASSIGNEE:
Accenture Global Services GmbH, (3413463), Geschaftshaus Herrenacker 15, 8200 Schaffhausen, (CH), (Applicant designated States: all)
INVENTOR:
**WETZER, Michael** , 631 Marlin Court, Redwood City, CA 94065, (US)
**GARROW, Gary, R.** , 810 East Harvard, Burbank, CA 91501, (US)
**WEST, David, P., II** , 119 Greenridge, Newnan, GA 30265, (US)
**WEIR, Patrick, E.** , 44 Midcrest Way, San Francisco, CA 94131, (US)
**NEWTON, Charles, P., III** , 1279 Crooked Stick Drive, Rock Hill, SC 29730 , (US)
ASHBY, Gary, 92 St. John's Road, Sevenoaks, Kent TN13 3NE, (GB
LEGAL REPRESENTATIVE:
McLeish, Nicholas Alistair Maxwell et al (74621), Boult Wade Tennant Verulam Gardens 70 Gray's Inn Road, London WC1X 8BT, (GB)
PATENT (CC, No, Kind, Date): EP 1425692 A2 040609 (Basic)
WO 2003021503 030313
APPLICATION (CC, No, Date): EP 2002779301 020902; WO 2002EP9882 020902
PRIORITY (CC, No, Date): US 946095 010904
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-017/60
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English

**IDENTIFICATION, CATEGORIZATION, AND INTEGRATION OF UNPLANNED MAINTENANCE, REPAIR AND OVERHAUL WORK ON** MECHANICAL EQUIPMENT
INVENTOR:
**WETZER, Michael ...**

...US)
**GARROW, Gary, R ...**

...US)
**WEST, David, P., II ...**

...US)
**WEIR, Patrick, E ...**

...US)
**NEWTON, Charles, P., III ...**

**12/3,K/5 (Item 2 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01478505
**METHOD AND SYSTEM FOR MANAGING CONFIGURATION OF MECHANICAL EQUIPMENT**
**VERFAHREN UND SYSTEM ZUR VERWALTUNG DER KONFIGURATION MECHANISCHER GERATE**
**PROCEDE ET SYSTEME DE GESTION DE LA CONFIGURATION D'UN EQUIPEMENT MECANIQUE**
PATENT ASSIGNEE:
Accenture LLP, (3330220), 1661 Page Mill Road, Palo Alto, CA 94304, (US), (Applicant designated States: all)
INVENTOR:
**GARROW, Gary, R.** , 810 East Harvard, Burbank, CA 91501, (US)
**NEWTON, Charles, P., III** , 1308 Westmont Court, Southlake, TX 76092, (US)
**WEIR, Patrick, E.,** , 1726 Anza Street, Apt 5, San Franciso, CA 94118, (US)
**WEST, David, P., II** , 119 Greenridge, Newman, GA 30265, (US)
**WETZER, Michael** , 631 Marlin court, Redwood City, CA 94065, (US)
ASHBY, Gary, 92 St John's Road, Sevenoaks, Kent, TN13 3NE, (GB
LEGAL REPRESENTATIVE:
McLeish, Nicholas Alistair Maxwell (74621), Boult Wade Tennant Verulam Gardens 70 Gray's Inn Road, London WC1X 8BT, (GB)
PATENT (CC, No, Kind, Date): EP 1337947 A1 030827 (Basic)
WO 2002033625 020425
APPLICATION (CC, No, Date): EP 2001979827 011016; WO 2001US32154 011016
PRIORITY (CC, No, Date): US 690793 001017; US 946160 010904
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-017/60
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English

**METHOD AND SYSTEM FOR MANAGING CONFIGURATION OF** MECHANICAL EQUIPMENT
INVENTOR:
**GARROW, Gary, R** ...

...US)
**NEWTON, Charles, P., III** ...

...US)
**WEIR, Patrick, E** ...

...US)
**WEST, David, P., II** ...
...US)
**WETZER, Michael** ...

**12/3,K/6 (Item 3 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01470217
**CONFIGURING** MECHANICAL EQUIPMENT
**CONFIGURATION DE MATERIEL MECANIQUE**
PATENT ASSIGNEE:
Accenture LLP, (3330220), 1661 Page Mill Road, Palo Alto, CA 94304, (US),

(Applicant designated States: all)
INVENTOR:
**GARROW, Gary, R.** , 810 East Harvard, Burbank, CA 91501, (US)
**NEWTON, Charles, P., III** , 1308 Westmont Court, Southlake, TX 76092, (US)
**WEIR, Patrick, E.** , 1726 Anza Street, Apt. 5, San Francisco, CA 94118, (US)
**WEST, David, P., II** , 119 Greenridge, Newman, GA 30265, (US)
**WETZER, Michael** , 631 Marlin court, Redwood City, CA 94065, (US
PATENT (CC, No, Kind, Date): WO 2002033619 020425
APPLICATION (CC, No, Date): EP 2001971228 010918; WO 2001US29384 010918
PRIORITY (CC, No, Date): US 690793 001017
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-017/60
LANGUAGE (Publication,Procedural,Application): English; English; English

**CONFIGURING** MECHANICAL EQUIPMENT
INVENTOR:
**GARROW, Gary, R** ...

...US)
**NEWTON, Charles, P., III** ...

...US)
**WEIR, Patrick, E** ...

...US)
**WEST, David, P., II** ...

...US)
**WETZER, Michael** ...

**12/3,K/7 (Item 1 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00993677 **Image available**
**ACHIEVING PREDICTIVE MAINTENANCE**
**MAINTENANCE PREVENTIVE**
Patent Applicant/Assignee:
ACCENTURE GLOBAL SERVICES GmbH, Geschaftshaus Herrenacker 15, CH-8200 Schaffhausen, CH, CH (Residence), CH (Nationality)
Inventor(s):
**WETZER Michael** , 631 Marlin court, Redwood City, CA 94065, US,
**GARROW Gary R** , 810 East Harvard, Burbank, CA 91501, US,
**WEST David P II** , 119 Greenridge, Newman, GA 30265, US,
**WEIR Patrick E** , 1726 Anza Street, Apt. 5, San Francisco, CA 94118, US,
**NEWTON Charles P III** , 1279 Crooked Stick Drive, Rock Hill, SC 29730, US
Legal Representative:
McLEISH Nicolas Alistair Maxwell, (et al) (agent), Boult Wade Tennant, Verulam Gardens, 70 Gray's Inn Road, London WC1X 8BT, GB,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200323664 A2 20030320 (WO 0323664)
Application: WO 2002EP9883 20020902 (PCT/WO EP0209883)
Priority Application: US 2001947157 20010904
Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6230

Inventor(s):
**WETZE**R Michael ...

... **GARROW Gary R** ...

... **WEST David P II** ...

... **WEIR Patrick E** ...
... **NEWTON Charles P III**
Fulltext Availability:
Detailed Description

Detailed Description
... locations that change over time during normal use of the equipment (e.g., where the **equipment** represents a passenger **airplane** ).

Referring to FIG. 3, the resource allocation system 132 may communicate with a wireless or...

**12/3,K/8 (Item 2 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00991461 **Image available**
**PLANNING, SCHEDULING AND ALLOCATION OF MRO RESOURCES**
**PLANIFICATION, ORDONNANCEMENT ET ATTRIBUTION DE RESSOURCES MRE**
Patent Applicant/Assignee:
ACCENTURE GLOBAL SERVICES GMBH, Geschaftshaus Herrenacker 15, CH-8200 Schaffhausen, CH, CH (Residence), CH (Nationality)
Inventor(s):
**WETZER Michael** , 631 Marlin court, Redwood City, CA 94065, US,
**GARROW Gary R** , 810 East Harvard, Burbank, CA 91501, US,
**WEST David P II** , 119 Greenridge, Newman, GA 30265, US,
1WEIR Patrick E , 1726 Anza Street, Apartment #5, San Francisco, CA 94118 , US,
ASHBY Gary, 92 St. John's Road, Sevenoaks, Kent TN13 3NE, GB,
**NEWTON Charles P III** , 1279 Crooked Stick Drive, Rock Hill, SC 29730, US
Legal Representative:
MCLEISH Nicholas Alistair Maxwell (et al) (agent), Bould Wade Tennant, Verulam Gardens, 70 Gray's Inn Road, London WC1X 8BT, GB,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200321504 A2 20030313 (WO 0321504)
Application: WO 2002EP9884 20020902 (PCT/WO EP0209884)
Priority Application: US 2001946032 20010904
Designated States:

meet a certain technical specifications for the **mechanical equipment** , or to save manufacturing costs on the **mechanical equipment** . For example, the manufacturer may change technical specifications of **mechanical equipment** to rectify manufacturing ...explained in greater detail below.

Step IO involves establishing a configuration definition database of the **mechanical equipment** . The term establishing, as used herein, is not limited to creating the database, which may...overall piece of equipment. For example, in the aircraft industry the end item is the **airplane** . The configuration definition data comprises **equipment** identifiers (e.g., tail number of an **airplane** ) that identifies the entire **mechanical equipment** , a part identifier that identifies a part of the **mechanical equipment** , an assembly identifier that identifies an assembly of parts of the equipment, a component identifier...and a relationship description that describes the relationship of a part or component to the **mechanical equipment** or subassembly thereof. For example, the relationship description may include the mounting position of a part and **mechanical equipment** . The data may also include operating restrictions on the 1 5 **mechanical equipment** because of the presence of a particular part or arrangement of particular parts on the **mechanical equipment** .

Configuration data on a particular end item of equipment may only remain valid for a...minimize inaccuracy of the configuration data by reflecting changes to the actual configuration of the **mechanical equipment** as the changes occur with a minimal lag time.
Preferably, the configuration definition database includes...co-pending U.S. application entitled, Identification,
Categorization and Integration of Unplanned MRO Work on **Mechanical Equipment** , Application No. 09/946,095, filed on the same date herewith by the same inventors...

**12/3,K/9 (Item 3 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00991460 **Image available**
**IDENTIFICATION, CATEGORIZATION, AND INTEGRATION OF UNPLANNED MAINTENANCE, REPAIR AND OVERHAUL WORK ON** MECHANICAL EQUIPMENT
**IDENTIFICATION, CATEGORISATION ET** INTEGRATION DE TACHES NON PLANIFIEES DE **MAINTENANCE, DE REPARATION ET DE REVISION RELATIVES A UN EQUIPEMENT MECANIQUE**
Patent Applicant/Assignee:
ACCENTURE GLOBAL SERVICES GMBH, Geschaftshaus Herrenacker 15, 8200 Schaffhausen, CH, CH (Residence), CH (Nationality)
Inventor(s):
**WETZER Michael** , 631 Marlin Court, Redwood City, CA 94065, US,
**GARROW Gary R** , 810 East Harvard, Burbank, CA 91501, US,
**WEST David P II** , 119 Greenridge, Newnan, GA 30265, US,
**WEIR Patrick E** , 1726 Anza Street, Apt.#5, San Francisco, CA 94118, US,
**NEWTON Charles P III** , 1279 Crooked Stick Drive, Rock Hill, SC 29730, US ,
ASHBY Gary, 92 St. John's Road, Sevenoaks, Kent TN13 3NE, GB
Legal Representative:
McLEISH Nicholas Alistair Maxwell (et al) (agent), Boult Wade Tennant, Verulam Gardens, 70 Gray's Inn Road, London WC1X 8BT, GB,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200321503 A2 20030313 (WO 0321503)
Application: WO 2002EP9882 20020902 (PCT/WO EP0209882)

**12/3,K/10 (Item 4 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00991458 **Image available**
**MAINTENANCE, REPAIR AND OVERHAUL MANAGEMENT**
**GESTION DE L'ENTRETIEN, DES REPARATIONS ET DE L'EXPLOITATION**
Patent Applicant/Assignee:
ACCENTURE GLOBAL SERVICES GMBH, Geschaftshaus Herrenacker 15, CH-8200 Schaffhausen, CH, CH (Residence), CH (Nationality)
Inventor(s):
**WETZER Michael** , 631 Marlin court, Redwood City, CA 94065, US,
**GARROW Gary R** , 810 East Harvard, Burbank, CA 91501, US,
**WEST David P II** , 119 Greenridge, Newman, GA 30265, US,
**WEIR Patrick E** , Apartment #5, 1726 Anza Street, San Francisco, CA 94118 , US,
**NEWTON Charles P III** , 1308 Westmont Court, Southlake, TX 76092, US,
ASHBY Gary, 92 St. John's Road, Sevenoaks, Kent TN13 3NE, GB
Legal Representative:
McLEISH Nicholas Alistair Maxwell (et al) (agent), Boult Wade Tennant, Verulam Gardens, 70 Gray's Inn Road, London WC1X 8BT, GB,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200321501 A2 20030313 (WO 0321501)
Application: WO 2002EP9880 20020902 (PCT/WO EP0209880)
Priority Application: US 2001946093 20010904
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 28756

Inventor(s):
**WETZER Michael** ...

... **GARROW Gary R** ...

... **WEST David P II** ...
... **WEIR Patrick E** ...

... **NEWTON Charles P III**
Fulltext Availability:
Detailed Description

Detailed Description
... number of businesses focus their operations on the maintenance, repair and/or overhaul of complex **equipment** . Aircraft **fleet** and **truck fleet** maintenance are two commonly lmown businesses in this arena. In addition other business that have...processes primarily relate to identifying and defining flight requirements, establishing standards and checking that the **fleet** **equipment** generally complies with those

standards.

1020 Plan Flight Operations
The second process in the second...all equipment are being maintained to the latest standard.

The fourth sub-process is Baseline **Fleet / Equipment** Details 3010.@O.

Determine the size and composition of the **fleet** and **equipment** based on
acquisitions, disposals, deploymei-its, etc. since the last baseline. These details are updated...9010 In advance of arrival of new equipment the aircraft operator and or the Original **Equipment** Manufacturer must identify the **fleet** type (fleet family), fleet generation type (aircraft model) and fleet generation sub type of

**12/3,K/11 (Item 5 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00985115 **Image available**
**MOBILE TELEPHONE AND METHOD FOR ITS MANUFACTURE**
**TELEPHONE MOBILE ET SON PROCEDE DE FABRICATION**
Patent Applicant/Assignee:
SIEMENS INFORMATION AND COMMUNICATION MOBILE LLC, 16745 West Bernardo Drive, Suite 400, San Diego, CA 92127, US, US (Residence), US (Nationality)
Inventor(s):
WENNEMER Dietmar F, 13727 Freeport Road, San Diego, CA 92129, US,
FEHER Akos, 8044 Camino Tranquilo, San Diego, CA 92122, US,
WARD Isaac, 4198 Mt. Alifan Place, Apt. E, San Diego, CA 92111, US,
WESELAKE Kenneth Lawrence, 3849 Creststone Place, San Diego, CA 92130-1503, US,
**WEST David Owen** , 1981 Wilbur Avenue, San Diego, CA 92109, US,
ABOOD Souhail, 3751 Torrey View Ct., San Diego, CA 92130, US,
DOAN Mai, 2844 Sawgrass Drive, Santa Ana, CA 92706, US
Legal Representative:
KIM Rosa S (et al) (agent), Siemens Corporation - Intellectual Property Dept., 186 Wood Ave. South, Iselin, NJ 08830, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200315298 A1 20030220 (WO 0315298)
Application: WO 2002US22667 20020716 (PCT/WO US0222667)
Priority Application: US 2001924070 20010806
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CN JP KR RU
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 4787

Inventor(s):
... **WEST David Owen**
Fulltext Availability:
Detailed Description

Detailed Description
... reduced from an average of twelve weeks to approximately eight weeks,

while the number of **mechanical parts** such as housing components, snaps, screws, and the like may be reduced by up to...

**12/3,K/12 (Item 6 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00949217 **Image available**
**PERFORMING PREDICTIVE MAINTENANCE ON EQUIPMENT**
**EXECUTION DE MAINTENANCE PREDICTIVE SUR UN EQUIPEMENT**
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
**WETZER Michael** , 631 Marlin Court, Redwood City, CA 94065, US
Legal Representative:
RICHARDS Marc V (agent), Brinks Hofer Gilson & Lione, P.O. Box 10087, Chicago, IL 60610, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200282710 A2-A3 20021017 (WO 0282710)
Application: WO 2002US9303 20020321 (PCT/WO US0209303)
Priority Application: US 2001825633 20010403
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 9608

Inventor(s):
**WETZER Michael** ...
Fulltext Availability:
Detailed Description

Detailed Description
... or provides improved performance or greater longevity upon receipt of such maintenance. Equipment means any **mechanical equipment** , any electrical equipment, any data processing system, any electronics or optical equipment, any software associated with **mechanical equipment** , electrical equipment, electronic equipment or a data processing system. A component may represent a part a equipment.

**Mechanical equipment** refers to a machine or machinery that is formed of a defined arrangement of multiple...

...2o equipment includes heavy equipment and capital-intensive equipment that is movable or fixed. Mobile **mechanical equipment** includes **airplanes** , busses, **locomotives** , **ships** , **cranes** , heavy **trucks** , earth-moving **equipment** , or the like.

Fixed **mechanical equipment** includes electrical power generators, industrial presses, manufacturing equipment, or the like.

In the context of...or eliminating a bug in the software. The software (e.g., avionics software) may control **mechanical components** of equipment that includes both
software and **mechanical components** to reduce wear or stress on the **mechanical components** that are subject to a physical process or to improve the responsiveness of the entire...flow in the data processing system 1 0 for predictive maintenance of equipment (e.g., **mechanical equipment** ), although other directions of data flow are possible and fall within the scope of the...14 may
provide usage data on a component-by-component basis and for the entire **mechanical equipment** .

Usage data provides an indication of the activity of the equipment to permit the prediction...11
reliable life span preferably provides a realistic and reliable estimate of performance of the **mechanical equipment** under actual operating conditions because the revised longevity reference data ...tools, instructions, and other information for planned maintenance at a common geographic location where the **mechanical equipment** is or will be situated. If the **mechanical equipment** is mobile, an additional database storing the location schedule of the mobile **mechanical equipment** is required to carry out the aforementioned coordination.

2o Because the provision of labor and...

...workers can components (e.g., replacement parts) by referencing reliable forecasts of required components, additional **mechanical equipment** , or supplies. The data
13
processing system 44 may foster improved availability of a component equipment, and timely fulfillment of hiring needs of the maintainer or user of the **mechanical equipment** . The terms of contracts with suppliers may be more firm or certain based on the...planning system of a supplier, an enterprise resource planning system of the operator of the **mechanical equipment** . The allocation intermediary 42 may foster electronic
commerce or business-to-business among the operator...

...FIG. 3 shows a flow chart of an illustrative method for providing predictive maintenance for **mechanical equipment** in accordance with the invention. The methodofFIG.3beginsinstepSlO.
In step SI O, a data processing ...processing system. The first database 26
contains component data associated with respective components of the **mechanical equipment** .

In step S12, the data processing system supports a second database 28, For example, the...as historical maintenance data. The historical maintenance data may contain the maintenance history for a **mechanical equipment** on a component-

**12/3,K/13 (Item 7 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

the component requirements may include version or revision information or any other parameter necessary to provide the upgrade of the software configuration associated with the **mechanical equipment** .

In an alternative embodiment, the components requirements are forwarded over to an enterprise resource planning...

...historical records of prior configuration alterations. The supervisory database 28 tracks historic configurations of the **mechanical equipment** and any associated failure or defect with historic configurations. A description of the failure or...

**12/3,K/14 (Item 8 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00899531 **Image available**
**METHOD AND SYSTEM FOR MANAGING CONFIGURATION OF** MECHANICAL EQUIPMENT
**PROCEDE ET SYSTEME DE GESTION DE LA CONFIGURATION D'UN EQUIPEMENT MECANIQUE**
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
**GARROW Gary R** , 810 East Harvard, Burbank, CA 91501, US,
**NEWTON Charles P III** , 1308 Westmont Court, Southlake, TX 76092, US,
**WEIR Patrick E** , 1726 Anza Street, Apt #5, San Franciso, CA 94118, US,
**WEST David P II** , 119 Greenridge, Newman, GA 30265, US,
**WETZER Michael** , 631 Marlin court, Redwood City, CA 94065, US
Legal Representative:
GNOFFO Vincent J (agent), Brinks Hofer Gilson & Lione, P.O. Box 10087, Chicago, IL 60610, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200233625 A1 20020425 (WO 0233625)
Application: WO 2001US32154 20011016 (PCT/WO US0132154)
Priority Application: US 2000690793 20001017; US 2001946160 20010904
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 8965

**METHOD AND SYSTEM FOR MANAGING CONFIGURATION OF** MECHANICAL EQUIPMENT
Inventor(s):
**GARROW Gary R ...**

**... NEWTON Charles P III ...**

**... WEIR Patrick E ...**

**... WEST David P II ...**

design
objective includes at least one of safety, reliability, and performance;
establishing and evaluating an actual configuration of the
**mechanical equipment** ;
determining if the actual configuration complies with the desired
configuration; and
planning an upgrade requirement...

...of the end item; and
26
maintaining the actual configuration and the desired configuration
of **mechanical equipment** in accordance with the logical configuration
database, the physical configuration database, the operational
configuration database...

...component acquisition, and maintenance execution.

15 A system for maintaining a database of configurations of
**mechanical equipment** , the system comprising:
establishing a logical configuration database that corresponds to the
functional configuration database...

...to store operational
information about the end item; and
wherein the database of configurations of **mechanical equipment**
includes the logical configuration database, the physical configuration
database and the operational configuration database.

16...

**12/3,K/15 (Item 9 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00899527 **Image available**
**CONFIGURING** MECHANICAL EQUIPMENT
**CONFIGURATION DE MATERIEL MECANIQUE**
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)
Inventor(s):
**GARROW Gary R** , 810 East Harvard, Burbank, CA 91501, US,
**NEWTON Charles P III** , 1308 Westmont Court, Southlake, TX 76092, US,
**WEIR Patrick E** , 1726 Anza Street, Apt. 5, San Francisco, CA 94118, US,
**WEST David P II** , 119 Greenridge, Newman, GA 30265, US,
**WETZER Michael** , 631 Marlin court, Redwood City, CA 94065, US
Legal Representative:
BARTHOLOMEW Darin E (agent), Brinks Hofer Gilson & Lione, P.O. Box 10087,
Chicago, IL 60610, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200233619 A1 20020425 (WO 0233619)
Application: WO 2001US29384 20010918 (PCT/WO US0129384)
Priority Application: US 2000690793 20001017
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK

SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 7538

**CONFIGURING** MECHANICAL EQUIPMENT
Inventor(s):
**GARROW Gary R ...**

**... NEWTON Charles P III ...**

**... WEIR Patrick E ...**

**... WEST David P II ...**
**... WETZER Michael**
Fulltext Availability:
Detailed Description
Claims

English Abstract
A method and system (11) of managing a configuration of **mechanical equipment** provides a structured procedure for managing information on parameters of the **mechanical equipment** to facilitate the maintenance of safety, legal compliance, performance, and reliability of the **mechanical equipment** . A desired configuration of the **mechanical equipment** is defined based on a design objective, such as safety, reliability, performance, or any combination of the foregoing objectives (S10). An actual configuration of the **mechanical equipment** is determined based on an evaluation of the **mechanical equipment** (S12). Upgrade requirements are planned for upgrading the actual configuration to the desired configuration if...

Detailed Description
CONFIGURING **MECHANICAL EQUIPMENT**
TECHNICAL FIELD
This invention relates to a method and system for managing a configuration of **mechanical eqUipment** .

BACKGROUND
**Mechanical equipment** refers to a machine or machinery that is formed of a defined arrangement of multiple...

...electrical assembly, an electrical system, an electronic system., a computer controller, software, or the like. **Mechanical equipment** includes heavy equipment and capital-intensive equipment that is movable or fixed. Mobile **mechanical equipment** includes **airplanes** , busses, **locomotives** ,
**ships** , **cranes** , heavy **trucks** , earth-moving **equipment** , or the like.
Fixed
1 5 **mechanical equipment** includes electrical power generators, industrial presses, manufacturing equipment, or the like.

A configuration defines the...
...a
specification of the components, and the relationship among the arrangement of

16 The method according to claim I further comprising defining a template for configuration data...

...clairn I further comprising the step of managing disposition of a removed component of the **mechanical equipment** .

18 A system for maintaining a configuration of **mechanical equipment** , the
:D
system comprising:
a desired configuration database (24) for storing a desired configuration of the **mechanical equipment** based on a design objective of the 1 5 **mechanical equipment** , where in the design objective includes at least one of
safety, reliability, and performance;
an actual configuration database (22) for storing an actual configuration of the **mechanical equipment** based on an evaluation of the
**mechanical equipment** ;
a data processor (30) determining if the actual configuration complies with the desired configuration, the...

...1 wherein the maintenance input/output device comprises a monitor for monitoring operational performance of **mechanical equipment** .

25 The system according to clairn I 8 wherein

**12/3,K/16 (Item 10 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00494202 **Image available**
**PRINTER WITH A WOUND MEDIA RELEASE MECHANISM AND MODULAR CONTROL PANEL**
**IMPRIMANTE**
Patent Applicant/Assignee:
ZEBRA TECHNOLOGIES CORPORATION,
Inventor(s):
JAEGER Ralf H,
SHEA Maureen,
ULLENIUS Kenneth Folke,
BIDINGER Barry M,
BOCHONOK Steve T,
EHRHARDT Robert A,
SALMONS Victor L,
TORCHALSKI Karl,
**WEST David A**
Patent and Priority Information (Country, Number, Date):
Patent: WO 9925554 A2 19990527
Application: WO 98US23010 19981030 (PCT/WO US9823010)
Priority Application: US 9763787 19971031
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 25091

```
File  16:Gale Group PROMT(R) 1990-2005/Apr 18
         (c) 2005 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2005/Apr 19
         (c)2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2005/Apr 19
         (c) 2005 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Apr 19
         (c) 2005 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2005/Apr 19
         (c) 2005 The Gale Group
File   9:Business & Industry(R) Jul/1994-2005/Apr 18
         (c) 2005  The Gale Group
File  15:ABI/Inform(R) 1971-2005/Apr 19
         (c) 2005 ProQuest Info&Learning
File  20:Dialog Global Reporter 1997-2005/Apr 19
         (c) 2005 The Dialog Corp.
File  95:TEME-Technology & Management 1989-2005/Mar W2
         (c) 2005 FIZ TECHNIK
File 476:Financial Times Fulltext 1982-2005/Apr 19
         (c) 2005 Financial Times Ltd
File 610:Business Wire 1999-2005/Apr 18
         (c) 2005 Business Wire.
File 613:PR Newswire 1999-2005/Apr 18
         (c) 2005 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2005/Apr 19
         (c) 2005 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2005/Apr 18
         (c) 2005 San Jose Mercury News
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc

Set     Items   Description
S1     255703   (AIRPLANE? OR BUS OR TRAIN OR TRAINS OR LOCOMOTIVE? OR SHIP
              OR SHIPS OR CRANE OR CRANES OR TRUCK OR TRUCKS OR LORRY OR L-
             ORRIES OR FLEET OR FLEETS)(5N)(EQUIPMENT OR PART OR PARTS OR -
             COMPONENT?)
S2      25553   MECHANICAL()(EQUIPMENT OR PART OR PARTS OR COMPONENT?)
S3      33447   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(ONLINE -
             OR ON()LINE OR COMPUTERI? OR AUTOMATE?)
S4      15463   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(STORE OR
              STORES OR STORING OR STORED)
S5       5561   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(RECORD -
             OR RECORDS)
S6      22118   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(DATABAS-
             E? OR DB OR DATA()(BASE? OR FILE?) OR DATABANK? OR DATA()BANK-
             ?)
S7      16730   (MANUAL OR MANUALS OR DOCUMENTATION OR GUIDE OR GUIDES OR -
             TECHNICAL()DOCUMENT?)(5N)(DATABASE? OR DB OR DATA()(BASE? OR -
             FILE?) OR DATABANK? OR DATA()BANK?)
S8     108890   (MANUAL OR MANUALS OR DOCUMENTATION OR GUIDE OR GUIDES OR -
             TECHNICAL()DOCUMENT?)(5N)(ONLINE OR ON()LINE OR COMPUTERI? OR
             AUTOMATE?)
S9       4030   (S3 OR S4 OR S5 OR S6 OR S7 OR S8)(5N)(SAFETY OR RELIABILI-
             T? OR PERFORMANCE? OR COMPLIAN?)
S10      5202   (S3 OR S4 OR S5 OR S6 OR S7 OR S8)(5N)(MAINTAIN? OR MAINTE-
             NANCE OR UPGRAD? OR OVERHAUL? OR REPAIR? OR EVALUAT?)
S11      1662   AU=(GARROW, G? OR GARROW G? OR NEWTON, C? OR NEWTON C? OR -

Sylvia Keys                    19-Apr-05 02:27 PM
```

```
              WEIR, P? OR WEIR P? OR WEST, D? OR WEST D? OR WETZER, M? OR W-
              ETZER M?)
S12     280092    S1 OR S2
S13          5    S12(S)S9
S14          4    RD (unique items)
S15         13    S12(S)S10
S16         12    S15 NOT S14
S17         10    RD (unique items)
S18          0    S11(S)S12
?
```

**14/3,K/1 (Item 1 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

10277927 Supplier Number: 98153554 (USE FORMAT 7 FOR FULLTEXT)
**Specing: starting from scratch; vehicle operational costs, safety, fuel economy, resale value, and downtime are all affected by the original specifications. (Bev Solutions: On the Road).**
Deierlein, Bob
Beverage World, v122, n2, p56(2)
Feb 15, 2003
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1464

The first step when setting specifications for a vehicle purchase is to review the **component** costs records of your **fleet** . Check the records of all the vehicles, but especially the most recent purchase, to see how effective your current **specs** are. These cost **records** , including maintenance, fuel and **safety** costs should guide you to recognize the brands and size components that have worked well...

**14/3,K/2 (Item 1 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

02753890 621481021
**Safety by the numbers**
Cullen, David
Fleet Owner v99n4 PP: 16-24 Apr 2004
ISSN: 1070-194X JRNL CODE: FOW
WORD COUNT: 2364

...TEXT: latest safety benchmarking initiative just last month for its member fleets.

Dubbed the "Best Practices **Safety Guide** ," it's an interactive **online safety** benchmarking program. Its initial **component** is the " **Fleet** Audit." By completing an online 181question survey at a special web site, fleets are scored...

**14/3,K/3 (Item 2 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01126450 97-75844
**Reviewing the mechanical basics of linear-motion guide**
Tallant, David III
Machine Design v67n21 PP: 76-78 Nov 23, 1995
ISSN: 0024-9114 JRNL CODE: MDS
WORD COUNT: 789

ABSTRACT: Automated linear-motion systems are typically composed of **mechanical components** and the controls. The combined capabilities of these 2 subsystems determine overall **performance** . When linear-motion **guides** are used in an **automated** linear-motion system, understanding the mechanical basics is essential. Good design practice concentrates of the ...

TEXT: Automated linear-motion systems are typically composed of **mechanical components** and the controls. The combined capabilities of these two subsystems determine overall **performance** . When linear-motion **guides** are used in an **automated** linear-motion system, understanding the mechanical basics is essential. Good design practice concentrates on the...

**14/3,K/4 (Item 1 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 The Dialog Corp. All rts. reserv.

36403793
**FIRST LADY NAMES R250M TANKER**
local shipping company Grindrod, but will be
SAPA (SOUTH AFRICAN PRESS ASSOCIATION)
June 29, 2004
JOURNAL CODE: WSAP LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 300

... continuous fire detection system, and microprocessor-based navigation aids for additional safety and efficiency." The **ship** 's purchase was **part** of an empowerment deal, spearheaded by oil companies BP and Shell, as well as by...
?

**17/3,K/1 (Item 1 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09188767 Supplier Number: 63193842 (USE FORMAT 7 FOR FULLTEXT)
**Software ensures cost-effective distribution. (Brief Article) (Statistical Data Included)**
DEIERLEIN, BOB
Beverage World, v119, n1691, p112
June 15, 2000
Language: English Record Type: Fulltext
Article Type: Brief Article; Statistical Data Included
Document Type: Magazine/Journal; Trade
Word Count: 670

... e.fleet--quickly standardizes fleet maintenance practices and maintains a database on which to base **fleet** -wide **equipment** decisions. The computer server and database are in Prototype's headquarters, with workstations in the...

...speed Internet connection line accessible to the fleet's network and corporate Intranet. Prototype Inc. **configures** and **maintains** the server and **database** , handles all nightly backups and installs updated software as necessary.
One large beverage fleet began...

**17/3,K/2 (Item 1 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

16290346 SUPPLIER NUMBER: 108565637 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**GAO Offers Multiple Recommendations To Improve Spares Aboard Ships.**
Defense Daily, 219, 45, 0
Sept 3, 2003
ISSN: 0889-0404 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 376 LINE COUNT: 00034

... that the Navy "develop plans to conduct periodic ship configuration audits and to ensure that **configuration records** are updated and **maintained** in order that accurate inventory data can be deployed for **ships** ; ensure that demand data for **parts** entered into **ship** supply systems are recorded promptly and accurately as required to ensure that onboard ship inventories reflect current usage or demands; periodically identify and purge spare **parts** from **ship** inventories to reduce costs when **parts** are not needed according to current and accurate configuration and parts

**17/3,K/3 (Item 2 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

07715987 SUPPLIER NUMBER: 16642831 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**The Republican sweep of Congress may put proposed IAQ bills on hold. (indoor air quality)**
Novak, Michael H.
Air Conditioning, Heating & Refrigeration News, v194, n6, p3(2)
Feb 6, 1995

ISSN: 0002-2276 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 890 LINE COUNT: 00075

... or employees.
Knowledgeable and prudent managers began to take stock of their mechanical equipment, centralize **maintenance records** and **specs** on their building, and assess and upgrade preventive maintenance practices. They also took some baseline...

**17/3,K/4 (Item 3 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

04166202 SUPPLIER NUMBER: 08948401 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**A positive connection: electronics and careers.**
Baxter, Neale
Occupational Outlook Quarterly, v33, n4, p16(12)
Winter, 1989
CODEN: OOQUA ISSN: 0199-4786 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 4713 LINE COUNT: 00383

... a hundred job titles under electrical-electronic systems installation and repair and electrical-electronic equipment **repair** . Besides those already mentioned, the Guide lists **airplane** electrician, **automated equipment** engineer-technician, avionics technician, cable splicer, electric-motor repairer, electronic-sales-and-service technician, furnace...

**17/3,K/5 (Item 1 from file: 160)**
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

00635811
**A multimillion-dollar market for manufacturers of general-purpose test equipment could be opened by a soon-to-be-issued report to the airlines industry.**
Electronics April 7, 1981 p. 33

... Report 602 will give the airlines the option of using the IEEE-488 interface to **configure** automated test systems for **fleet maintenance** . They now use custom **equipment** . Known informally as Airmate, the test equipment guidance report describes how systems may be configured...

**17/3,K/6 (Item 1 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

02748814 597334671
**Check your Specs**
Deierlein, Bob
Beverage World PP: 6-14 Mar 2004
ISSN: 0098-2318 JRNL CODE: BEV
WORD COUNT: 4628

...TEXT: fleet.

The first step when setting specifications for a vehicle purchase is to review the **component** cost records of your existing **fleet** . Check the records of all the vehicles, but especially the most recent purchase, to see how effective your current **specs** are. These cost **records** , including **maintenance** , downtime, road calls, fuel and safety costs, should guide you to recognize the brands and...

**17/3,K/7 (Item 2 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

02557541 293631481
**Specing: Starting from scratch**
Deierlein, Bob
Beverage World v122n1723 PP: 56-58 Feb 15, 2003
ISSN: 0098-2318 JRNL CODE: BEV
WORD COUNT: 1473

...TEXT: beginning.

The first step when setting specifications for a vehicle purchase is to review the **component** costs records of your **fleet** . Check the records of all the vehicles, but especially the most recent purchase, to see how effective your current **specs** are. These cost **records** , including **maintenance** , fuel and safety costs should guide you to recognize the brands and size components that...

**17/3,K/8** (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

02326721 86926435
**SCADA in an integrated maintenance management system**
Ip, W H; Lee, K C; Yung, K L; Yam, R
Journal of Quality in Maintenance Engineering v6n1 PP: 6-19 2000
ISSN: 1355-2511 JRNL CODE: QMGR
WORD COUNT: 4671

...TEXT: The engineering system serves to keep track of the inventory and performance of shop floor **equipment** , e.g. stacker **cranes** , conveyors, etc. This also manages outstanding fault **maintenance** work. It is a **data bank** of work **specifications** that include job type, job description details, estimated man-hours, job turnaround time, spare parts...

**17/3,K/9 (Item 4 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

02001019 51295510
**A two-way street**
Mele, Jim
Fleet Owner v95n3 PP: 4 Mar 2000
ISSN: 1070-194X JRNL CODE: FOW
WORD COUNT: 480

...TEXT: format were also among the e-commerce initiatives Gorman wants to see, as are online **parts** ordering with direct shipments to **fleet** shops.

Finally, he wants to see manufacturers provide their fleet customers with **online** , indexed access to **repair** **manuals** , parts books, and service diagnostic **repair** information.

To be fair, vehicle and component manufacturers are moving ahead in some of these...

**17/3,K/10** **(Item 5 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01990783 50355134
**Used trucks: More bang for the bucks**
Cullen, David
Fleet Owner n2 PP: 25-32 Feb 2000
ISSN: 1070-194X JRNL CODE: FOW
WORD COUNT: 2213

...ABSTRACT: the foreseeable future - it is a buyer's market for used trucks. And that means **fleets** selling off **equipment** need to focus more on their sales effort, while fleets buying used can afford to...

...to ensure purchasing the best equipment for the price. These are simple and straightforward: original **specs** , **maintenance** **records** and warranty terms. In a buyer's market, selling used trucks is different. What the...

```
File 344:Chinese Patents Abs Aug 1985-2004/May
         (c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/Dec(Updated 050405)
         (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200524
         (c) 2005  Thomson Derwent
File 348:EUROPEAN PATENTS 1978-2005/Apr W02
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050414,UT=20050407
         (c) 2005 WIPO/Univentio
File 331:Derwent WPI First View    UD=200524
         (c) 2005  Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
         (c) 2002 INPI.  All rts. reserv.

Set     Items   Description
S1      48809   (AIRPLANE? OR BUS OR TRAIN OR TRAINS OR LOCOMOTIVE? OR SHIP
             OR SHIPS OR CRANE OR CRANES OR TRUCK OR TRUCKS OR LORRY OR L-
             ORRIES OR FLEET OR FLEETS)(5N)(EQUIPMENT OR PART OR PARTS OR -
             COMPONENT?)
S2      20612   MECHANICAL()(EQUIPMENT OR PART OR PARTS OR COMPONENT?)
S3       3655   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(ONLINE -
             OR ON()LINE OR COMPUTERI? OR AUTOMATE?)
S4      27063   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(STORE OR
             STORES OR STORING OR STORED)
S5       3970   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(RECORD -
             OR RECORDS)
S6      10520   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(DATABAS-
             E? OR DB OR DATA()(BASE? OR FILE?) OR DATABANK? OR DATA()BANK-
             ?)
S7       2344   (MANUAL OR MANUALS OR DOCUMENTATION OR GUIDE OR GUIDES OR -
             TECHNICAL()DOCUMENT?)(5N)(DATABASE? OR DB OR DATA()(BASE? OR -
             FILE?) OR DATABANK? OR DATA()BANK?)
S8       9465   (MANUAL OR MANUALS OR DOCUMENTATION OR GUIDE OR GUIDES OR -
             TECHNICAL()DOCUMENT?)(5N)(ONLINE OR ON()LINE OR COMPUTERI? OR
             AUTOMATE?)
S9        439   (S3 OR S4 OR S5 OR S6 OR S7 OR S8)(5N)(SAFETY OR RELIABILI-
             T? OR PERFORMANCE? OR COMPLIAN?)
S10      1257   (S3 OR S4 OR S5 OR S6 OR S7 OR S8)(5N)(MAINTAIN? OR MAINTE-
             NANCE OR UPGRAD? OR OVERHAUL? OR REPAIR? OR EVALUAT?)

S11       479   AU=(GARROW, G? OR GARROW G? OR NEWTON, C? OR NEWTON C? OR -
             WEIR, P? OR WEIR P? OR WEST, D? OR WEST D? OR WETZER, M? OR W-
             ETZER M?)
S12     68911   S1 OR S2
S13         2   S12(5N)S9
S14         4   S12(5N)S10
S15         2   S14 NOT S13
?
```

**13/3,K/1 (Item 1 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00899531 **Image available**
**METHOD AND SYSTEM FOR MANAGING CONFIGURATION OF MECHANICAL EQUIPMENT**
**PROCEDE ET SYSTEME DE GESTION DE LA CONFIGURATION D'UN EQUIPEMENT MECANIQUE**
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
GARROW Gary R, 810 East Harvard, Burbank, CA 91501, US,
NEWTON Charles P III, 1308 Westmont Court, Southlake, TX 76092, US,
WEIR Patrick E, 1726 Anza Street, Apt #5, San Franciso, CA 94118, US,
WEST David P II, 119 Greenridge, Newman, GA 30265, US,
WETZER Michael, 631 Marlin court, Redwood City, CA 94065, US,
Legal Representative:
GNOFFO Vincent J (agent), Brinks Hofer Gilson & Lione, P.O. Box 10087, Chicago, IL 60610, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200233625 A1 20020425 (WO 0233625)
Application: WO 2001US32154 20011016 (PCT/WO US0132154)
Priority Application: US 2000690793 20001017; US 2001946160 20010904
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 8965

Fulltext Availability:
Detailed Description

Detailed Description
... output device 12 (e.g., a computer work station) enters a desired configuration of the **mechanical equipment** into the desired **configuration database** 24 based on **compliance** with one or more of the following criteria: technical specifications, reliability, availability of equipment, safety...

**13/3,K/2 (Item 2 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00899527 **Image available**
**CONFIGURING MECHANICAL EQUIPMENT**
**CONFIGURATION DE MATERIEL MECANIQUE**
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
GARROW Gary R, 810 East Harvard, Burbank, CA 91501, US,

NEWTON Charles P III, 1308 Westmont Court, Southlake, TX 76092, US,
WEIR Patrick E, 1726 Anza Street, Apt. 5, San Francisco, CA 94118, US,
WEST David P II, 119 Greenridge, Newman, GA 30265, US,
WETZER Michael, 631 Marlin court, Redwood City, CA 94065, US,
Legal Representative:
BARTHOLOMEW Darin E (agent), Brinks Hofer Gilson & Lione, P.O. Box 10087, Chicago, IL 60610, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200233619 A1 20020425 (WO 0233619)
Application: WO 2001US29384 20010918 (PCT/WO US0129384)
Priority Application: US 2000690793 20001017
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 7538

Fulltext Availability:
Detailed Description
Claims

Detailed Description
... output device 12 (e.g., a computer work station) enters a desired configuration of the **mechanical equipment** into the desired **configuration database** 24 based on **compliance** with one or more

Claim
... the 1 5 mechanical equipment, where in the design objective includes at least one of
**safety** , **reliability** , and **performance** ;
an actual **configuration database** (22) for **storing** an actual **configuration** of the **mechanical equipment** based on an evaluation of the
mechanical equipment;
a data processor (30) determining if the...
?

**15/3,K/1 (Item 1 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014584709 **Image available**
WPI Acc No: 2002-405413/200243
Related WPI Acc No: 2002-394597; 2002-394599; 2003-091336; 2003-240110; 2003-248626; 2003-248627; 2003-248628; 2003-278941; 2005-064154
XRPX Acc No: N02-318274
Maintaining mechanical equipment configurations database **by using physical** configuration database **with separate** databases **for end items serial and parts numbers**
Patent Assignee: ACCENTURE LLP (ACCE-N); ASHBY G (ASHB-I); GARROW G R (GARR-I); NEWTON C P (NEWT-I); WEIR P E (WEIR-I); WEST D P (WEST-I); WETZER M (WETZ-I)
Inventor: GARROW G R; NEWTON C P; WEIR P E; WEST D P; WETZER M; ASHBY G
Number of Countries: 098 Number of Patents: 004
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---|---|---|---|---|---|---|
| WO 200233625 | A1 | 20020425 | WO 2001US32154 | A | 20011016 | 200243 B |
| AU 200211750 | A | 20020429 | AU 200211750 | A | 20011016 | 200255 |
| US 20020194160 | A1 | 20021219 | US 2000690793 | A | 20001017 | 200303 |
| | | | US 2001946160 | A | 20010904 | |
| EP 1337947 | A1 | 20030827 | EP 2001979827 | A | 20011016 | 200357 |
| | | | WO 2001US32154 | A | 20011016 | |

Priority Applications (No Type Date): US 2001946160 A 20010904; US 2000690793 A 20001017
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| WO 200233625 | A1 | E | 34 | G06F-017/60 | |
| | Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW | | | | |
| | Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW | | | | |
| AU 200211750 | A | | | G06F-017/60 | Based on patent WO 200233625 |
| US 20020194160 | A1 | | | G06F-007/00 | Cont of application US 2000690793 |
| EP 1337947 | A1 | E | | G06F-017/60 | Based on patent WO 200233625 |
| | Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR | | | | |

Maintaining mechanical equipment configurations database **by using physical** configuration database **with separate** databases **for end items serial and parts numbers**
Abstract (Basic):
... There is an INDEPENDENT CLAIM for a system for **maintaining** a **mechanical equipment configurations database** .
...

...Method is for **maintaining** a **database** of **configurations** of **mechanical equipment** e.g. **airplanes** .

**15/3,K/2 (Item 1 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00899534 **Image available**

**PERFORMING PREDICTIVE MAINTENANCE BASED ON A PREDICTIVE MAINTENANCE TARGET SYSTEME ET PROCEDE D'EXECUTION D'UNE MAINTENANCE PREVENTIVE FONDEE SUR UNE MAINTENANCE PREVENTIVE CIBLE**

Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)

Inventor(s):
GARROW Gary R, 810 East Harvard, Burbank, CA 91501, US,
NEWTON Charles P III, 1308 Westmont Court, Southlake, TX 76092, US,
WEIR Patrick E, Apartment #5, 1726 Anza Street, San Francisco, CA 94118, US,
WEST David P II, 119 Greenridge, Newman, GA 30265, US,
WETZER Michael, 631 Marlin court, Redwood City, CA 94065, US,

Legal Representative:
BARTHOLOMEW Darin E (agent), Brinks Hofer Gilson & Lione, P.O. Box 10087, Chicago, IL 60610, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200233631 A1 20020425 (WO 0233631)
Application: WO 2001US32576 20011016 (PCT/WO US0132576)
Priority Application: US 2000690793 20001017; US 2001947024 20010904

Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 6959

Fulltext Availability:
Detailed Description

Detailed Description

... because of the presence of a particular component or arrangement of particular component on the **mechanical equipment** .
The contents of the actual **configura**tion database 22, the desired **configuration database** 24, and the **upgrade** requirements database 26 may vary with time.

Accordingly, configuration data ...configuration database 22 as soon as possible after the inspection or the servicing of the **mechanical equipment** to **maintain** the accuracy of the actual **configuration database** 22.

For example, the **maintenance** input/output device 10 may be a portable electronic device that is equipped to establish...

?

09690793_CLS

Most Frequently Occurring Classifications of Patents Returned From A Search of 09690793 on March 30, 2005

Original Classifications

4 701/50
2 56/10.2E
2 72/21.5
2 96/228
2 182/70
2 200/331
2 277/370
2 307/112
2 310/12
2 333/12
2 384/620
2 439/585
2 709/224

Cross-Reference Classifications

4 324/754
3 172/7
3 257/E21.525
3 257/E23.004
3 324/765
3 333/262
2 29/464
2 56/208
2 56/DIG 10
2 56/DIG 15
2 72/296
2 96/257
2 96/322
2 156/322
2 172/3
2 198/803.15
2 200/337
2 248/638
2 257/203
2 257/712
2 257/E21.512
2 257/E23.069
2 257/E23.07
2 324/96
2 340/3.7
2 359/698
2 376/249
2 376/252
2 384/539
2 384/622
2 428/316.6
2 439/879
2 439/955
2 451/287

2 451/288
2 700/83
2 709/220
2 714/46
2 715/500
2 715/531
2 715/970
2 901/21
2 901/22

Combined Classifications
5 701/50
4 324/754
3 172/7
3 257/E21.525
3 257/E23.004
3 277/370
3 324/765
3 333/12
3 333/262
2 29/464
2 29/509
2 29/866
2 56/10.2E
2 56/208
2 56/DIG 10
2 56/DIG 15
2 72/21.5
2 72/296
2 73/634
2 96/228
2 96/257
2 96/322
2 156/322
2 156/344
2 156/584
2 172/3
2 182/70
2 198/769
2 198/803.15
2 200/331
2 200/337
2 248/638
2 248/678
2 257/203
2 257/48
2 257/707
2 257/712
2 257/E21.512
2 257/E23.069
2 257/E23.07
2 307/112
2 310/12
2 324/96

2 333/17.2
2 340/3.7
2 359/698
2 360/31
2 376/249
2 376/252
2 384/539
2 384/620
2 384/622
2 428/316.6
2 439/585
2 439/83
2 439/879
2 439/955
2 451/287
2 451/288
2 451/41
2 482/102
2 700/83
2 709/220
2 709/224
2 714/40
2 714/46
2 715/500
2 715/531
2 715/970
2 901/21
2 901/22

```
File 256:TecInfoSource 82-2005/Feb
         (c) 2005 Info.Sources Inc
File   2:INSPEC 1969-2005/Apr W2
         (c) 2005 Institution of Electrical Engineers
File  35:Dissertation Abs Online 1861-2005/Mar
         (c) 2005 ProQuest Info&Learning
File  65:Inside Conferences 1993-2005/Apr W3
         (c) 2005 BLDSC all rts. reserv.
File  99:Wilson Appl. Sci & Tech Abs 1983-2005/Mar
         (c) 2005 The HW Wilson Co.
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File 474:New York Times Abs 1969-2005/Apr 18
         (c) 2005 The New York Times
File 475:Wall Street Journal Abs 1973-2005/Apr 18
         (c) 2005 The New York Times
File   8:Ei Compendex(R) 1970-2005/Apr W1
         (c) 2005 Elsevier Eng.  Info. Inc.
File  94:JICST-EPlus 1985-2005/Mar W1
         (c)2005 Japan Science and Tech Corp(JST)
File   6:NTIS 1964-2005/Apr W2
         (c) 2005 NTIS, Intl Cpyrght All Rights Res
File  25:Weldasearch-19662005/Feb
         (c) 2005 TWI Ltd
File  34:SciSearch(R) Cited Ref Sci 1990-2005/Apr W2
         (c) 2005 Inst for Sci Info
File  63:Transport Res(TRIS) 1970-2005/
         (c) fmt only 2005 Dialog Corp.
File  81:MIRA - Motor Industry Research 2001-2005/Feb
          (c) 2005 MIRA Ltd.
File  92:IHS Intl.Stds.& Specs. 1999/Nov
         (c) 1999 Information Handling Services
File  95:TEME-Technology & Management 1989-2005/Mar W2
         (c) 2005 FIZ TECHNIK
File  96:FLUIDEX 1972-2005/Apr
         (c) 2005 Elsevier Science Ltd.
File 104:AeroBase 1999-2005/Jan
         (c) 2005 Contains copyrighted material
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File   7:Social SciSearch(R) 1972-2005/Apr W2
         (c) 2005 Inst for Sci Info

Set     Items   Description
S1      40662   (AIRPLANE? OR BUS OR TRAIN OR TRAINS OR LOCOMOTIVE? OR SHIP
             OR SHIPS OR CRANE OR CRANES OR TRUCK OR TRUCKS OR LORRY OR L-
            ORRIES OR FLEET OR FLEETS)(5N)(EQUIPMENT OR PART OR PARTS OR -
            COMPONENT?)
S2      14429   MECHANICAL()(EQUIPMENT OR PART OR PARTS OR COMPONENT?)
S3       5398   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(ONLINE -
            OR ON()LINE OR COMPUTERI? OR AUTOMATE?)
S4       1875   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(STORE OR
             STORES OR STORING OR STORED)
S5        970   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(RECORD -
            OR RECORDS)
S6       6564   (CONFIGUR? OR SPECIFICATION? OR SPEC OR SPECS)(5N)(DATABAS-
            E? OR DB OR DATA()(BASE? OR FILE?) OR DATABANK? OR DATA()BANK-
            ?)
S7       6956   (MANUAL OR MANUALS OR DOCUMENTATION OR GUIDE OR GUIDES OR -
            TECHNICAL()DOCUMENT?)(5N)(DATABASE? OR DB OR DATA()(BASE? OR -
            FILE?) OR DATABANK? OR DATA()BANK?)

Sylvia Keys                    19-Apr-05 11:46 AM
```

| | | |
|---|---|---|
| S8 | 13514 | (MANUAL OR MANUALS OR DOCUMENTATION OR GUIDE OR GUIDES OR TECHNICAL()DOCUMENT?)(5N)(ONLINE OR ON()LINE OR COMPUTERI? OR AUTOMATE?) |
| S9 | 1148 | (S3 OR S4 OR S5 OR S6 OR S7 OR S8)(5N)(SAFETY OR RELIABILIT? OR PERFORMANCE? OR COMPLIAN?) |
| S10 | 1355 | (S3 OR S4 OR S5 OR S6 OR S7 OR S8)(5N)(MAINTAIN? OR MAINTENANCE OR UPGRAD? OR OVERHAUL? OR REPAIR? OR EVALUAT?) |
| S11 | 5526 | AU=(GARROW, G? OR GARROW G? OR NEWTON, C? OR NEWTON C? OR WEIR, P? OR WEIR P? OR WEST, D? OR WEST D? OR WETZER, M? OR WETZER M?) |
| S12 | 54842 | S1 OR S2 |
| S13 | 3 | S12 AND S9 |
| S14 | 12 | S12 AND S10 |
| S15 | 12 | S14 NOT S13 |
| S16 | 0 | S11 AND S12 |

**13/5/1 (Item 1 from file: 2)**
DIALOG(R)File 2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

03255267 INSPEC Abstract Number: B88075242
**Title: Up** performance **with** computerized **calibration,** documentation **(for power stations)**
Author(s): Goldscheitter, M.
Journal: Power vol.132, no.7 p.53-4
Publication Date: July 1988 Country of Publication: USA
CODEN: POWEAD ISSN: 0032-5929
Language: English Document Type: Journal Paper (JP)
Treatment: General, Review (G)
Abstract: Power plant management recognizes the impact that routine preventive maintenance can have on its operations. By adopting a 'fix-it-before-it-breaks' philosophy, it is able to avoid catastrophic equipment failures, reduce downtime, and save money. Much of the time spent on PM, however, is devoted to **mechanical equipment** , and similar programs for instrumentation have lagged behind. However, instrument-maintenance programmes have received a shot in the arm recently with smart calibrators and associated databases that automate the procedure. These programmes improve heat rate, and give higher efficiency with more accurate instrumentation. (3 Refs)
Subfile: B
Descriptors: computerised instrumentation; maintenance engineering; power stations
Identifiers: computerised instrumentation; computerized calibration; power stations; management; preventive maintenance; catastrophic equipment failures; downtime; instrumentation; calibrators; databases; heat rate; efficiency
Class Codes: B0160 (Plant engineering, maintenance and safety); B7210B ( Automatic test and measurement systems); B8200 (Generating stations and plants)

**13/5/2 (Item 1 from file: 94)**
DIALOG(R)File 94:JICST-EPlus
(c)2005 Japan Science and Tech Corp(JST). All rts. reserv.

03055646 JICST ACCESSION NUMBER: 97A0160768 FILE SEGMENT: JICST-E
**AFM-DPI of B777.**
OMUKAI TAKESHI (1)
(1) Jpn. Airlines Co., Ltd.
Hikoki Shinpojiumu Koenshu, 1995, VOL.33rd, PAGE.539-542, FIG.3
JOURNAL NUMBER: Z0902AAK
UNIVERSAL DECIMAL CLASSIFICATION: 656.7
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Conference Proceeding
ARTICLE TYPE: Short Communication
MEDIA TYPE: Printed Publication
ABSTRACT: In a process of a development of B777, Boeing Commercial **Airplane** Group replaced a **part** of performance charts in AFM with a set of certified **performance** computer programs and **database** , which is called Airplane Flight **Manual** -Digital **Performance** Information System (AFM-DPI). This made it possible for airlines to use performance limit which an airplane originally had by removing the conservatism included in the paper AFM. It also simplified the process of making manuals which were required for the aircraft operation. (author abst.)
DESCRIPTORS: airworthiness; type certificate; transport aircraft; application program; manual; operating control

BROADER DESCRIPTORS: resistance(endure); proof(evidence); airplane; aircraft; flying object; computer program; software; guide book; publications; resource(document); management
CLASSIFICATION CODE(S): TE01010X

**13/5/3** (Item 1 from file: 63)
DIALOG(R)File 63:Transport Res(TRIS)
(c) fmt only 2005 Dialog Corp. All rts. reserv.

00190539 DA
**TITLE: RAIL SAFETY/EQUIPMENT CRASHWORTHINESS. VOLUME IV. EXECUTIVE SUMMARY**
AUTHOR(S): Reilly, MJ
CORPORATE SOURCE: Boeing Vertol Company, P.O. Box 16858, Philadelphia, PA, 19142, Transportation Systems Center, 55 Broadway, Cambridge, MA, 02142, Federal Railroad Administration, Office of Research and Development , Washington, DC, 20590,
REPORT NUMBER: FRA/ORD-77/73.IV Intrm Rpt.;DOT-TSC/FRA-77-15-4;D339-10051-1
Pag: 75 p.
SUPPLEMENTAL NOTES: See also Volume 3, PB-289149. Also available in set of 4 reports PC E06, PB-289 146-SET.
PUBLICATION DATE: 19780700 PUBLICATION YEAR: 1978
LANGUAGE: English SUBFILE: RRIS; NTIS (R 7902; N)
SOURCE ACCESSION NUMBER: u7906
AVAILABILITY: National Technical Information Service; 5285 Port Royal Road ; Springfield; VA ; 22161
ORDER NUMBER: PB-289150/5ST DOTL NTIS
FUNDING TYPE: Contract
CONTRACT/GRANT NUMBER: DOT-TSC-821-4
DATA SOURCE: National Technical Information Service
PERIOD COVERED: 7406-76
ABSTRACT: The document, the fourth of four volumes, summarizes the activities and documentation conducted under this contract. The analysis of the accident data highlighted areas where improvements could be made to improve the occupant protection of passenger rail vehicles. Design criteria were determined and some suitable design changes proposed. For the proposed areas of change, typical Federal Standards documentation were prepared.
DESCRIPTORS: *RAILROAD CARS; *PASSENGER TRANSPORTATION; *COLLISION RESEARCH ; INJURIES; SAFETY ENGINEERING; SYSTEMS ANALYSIS; ACCIDENT INVESTIGATION; DATA PROCESSING; DESIGN STANDARDS; PROTECTION; REQUIREMENT; **COMPONENTS** ; RAILROAD **TRAINS** ; **COMPUTERIZED** SIMULATION ; **DOCUMENTATION** ; ANALYTICAL TECHNIQUES; **SAFETY** ENGINEERING; CRASHWORTHINESS; PASSENGER CAR DESIGN; COLLISION; DERAILMENT; PASSENGER SAFETY; ACCIDENT INVESTIGATION; DESIGN CRITERIA; SPECIFICATION; DATA PROCESSING
SUBJECT HEADING: R12
?

**15/5/1 (Item 1 from file: 2)**
DIALOG(R)File 2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

02697608 INSPEC Abstract Number: C86039454
**Title: Embedded menus: selecting items in context**
Author(s): Koved, L.; Shneiderman, B.
Journal: Communications of the ACM vol.29, no.4 p.312-18
Publication Date: April 1986 Country of Publication: USA
CODEN: CACMA2 ISSN: 0001-0782
U.S. Copyright Clearance Center Code: 0001-0782/86/0400-0312$00.75
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P); Experimental (X)
Abstract: Embedded menus, where menu items are embedded within the information being displayed on the screen, in some respects represent an improvement on the more traditional explicit menu. In embedded menus, highlighted or underlined words or phrases within the text become the menu items, and are selectable using the commonly used touch screen, cursor, and mouse methods. The authors' experience with embedded menus began in the interest of providing adequate man-machine interfaces for two textual databases: The Interactive Encyclopedia Systems (TIES), a European history database functioning in a museum environment (13), and the **online maintenance manual** system, an **online maintenance manual** for electrical and **mechanical equipment repair** . In this article, they review the use of embedded menus in these two specific systems and examine the more general application of embedded menus in interactive spelling checkers, language-based program editors and interactive graphics systems. In so doing they address the relative advantages and disadvantages of embedded menus in different contexts, highlighting areas of equivocation where more research is warranted. (16 Refs)
Subfile: C
Descriptors: text editing; user interfaces
Identifiers: highlighted words; explicit menu; embedded menus; underlined words; man-machine interfaces; textual databases; The Interactive Encyclopedia Systems; European history database; **online maintenance manual** ; **mechanical equipment** repair; interactive spelling checkers; language-based program editors; interactive graphics systems
Class Codes: C6110 (Systems analysis and programming)

**15/5/2 (Item 1 from file: 8)**
DIALOG(R)File 8:Ei Compendex(R)
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

05945650 E.I. No: EIP01486743162
**Title: Constructing multilevel metadata networks for sharing dispersed and transient information in a mobile environment**
Author: Phoha, S.
Corporate Source: Pennsylvania State University Applied Research Laboratory, University Park, PA 16802, United States
Source: Multimedia Tools and Applications v 15 n 2 November 2001. p 203-218
Publication Year: 2001
CODEN: MTAPFB ISSN: 1380-7501
Language: English
Document Type: JA; (Journal Article) Treatment: T; (Theoretical)
Journal Announcement: 0112W1
Abstract: An intelligent multi-user mechanism has been prototyped at the Information System Collaboratory of the Pennsylvania State University, which is capable of resolving global queries with differing and

overlapping information needs, spatial scalability and temporal assumptions. The sources of information for this prototype are mechanical damage monitoring sensors embedded in **equipment** at plant sites, on-board **ships** or aircrafts, archived historical and diagnostic databases like those available through NALCOMIS (NAVMASSO document J-004 EM-001C, 1995) logistics and **maintenance databases** at depots, interactive electronic technical **manuals** stored in **databases** , dynamic models of damage, and models of operational performance. The concept-of-operation includes mobile access to this information by **equipment** maintainers on-board **ships** , aircrafts and other mobile platforms. Real-time interoperation of these system components and databases, under dynamic equipment operating conditions of thermo-mechanical and environmental stress, requires complex interactions of internal representations of sensor data, performance requirements, resources and equipment models, with rich semantics. To support such interactions, following the work of Bright, Hurson and Pakzad (Bright, Hurson, and Pakzad, Transactions on Database Systems, Vol. 19, No. 2, pp. 212-253, 1994) local schema terms of available data sources are organized as the leaf nodes in a semantic network of metadata. The physical nodes of the network are partitioned into a top-down multi-level search control structure of increasing precision and decreasing semantic aggregation. Each physical node supports search through all lower layers of metadata in connected tree configurations. The resulting multilayered semantic network is modeled as a Thesaurus of terms T and relationships R. A relationship in R may be crisp or fuzzy. The DTIC (Defense Technical Information Center) thesaurus for equipment maintenance was used as starting point in this work. It was further enhanced by application specific terms and endowed with a distance function. This distance function is used to formulate user adaptable Graphic User Interfaces (GUI) for making quality of service tradeoffs in the resolution of global queries. Step-by-step construction of the thesaurus as a multilevel metadata network, its scalability, dynamic adaptation through usage, and tolerance of semantic imprecision in query resolution are discussed in this paper. Furthermore, performance metrology for evaluating quality of service in global query resolution is also developed (Phoha, in Proceedings of the NIST Workshop on Advancing Measurements and Testing for Information Technology, Gaithersburg, MD, Oct. 1998). This work was funded by DARPA for the past four years under grant DE-FC36-94G010064, for establishing a National Information Infrastructure Testbed for Electronic Commerce in equipment health monitoring, failure diagnosis and prognosis services. 23 Refs.

Descriptors: *Mobile computing; Metadata; Computer networks; Query languages; Real time systems; Semantics; Fuzzy sets; Information retrieval; Interoperability

Identifiers: Multilevel metadata network; Multilayer semantic network; Adaptation mechanism

Classification Codes:

723.5 (Computer Applications); 723.3 (Database Systems); 722.4 (Digital Computers & Systems); 721.1 (Computer Theory (Includes Formal Logic, Automata Theory, Switching Theory & Programming Theory)); 921.4 (Combinatorial Mathematics, Includes Graph Theory, Set Theory)

723 (Computer Software, Data Handling & Applications); 722 (Computer Hardware); 721 (Computer Circuits & Logic Elements); 921 (Applied Mathematics)

72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

**15/5/3 (Item 2 from file: 8)**

DIALOG(R)File 8:Ei Compendex(R)
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

04364856 E.I. No: EIP96033110269

Sylvia Keys 19-Apr-05 11:45 AM

**Title: PHALANX Integrated Maintenance System**
Author: Raley, Glenn C.; Lewellyn, Amy H.
Corporate Source: Naval Surface Warfare Cent, Louisville, KY, USA
Source: Naval Engineers Journal v 108 n 2 Mar 1996. p 65-67
Publication Year: 1996
CODEN: NVEJAX
Language: English
Document Type: JA; (Journal Article) Treatment: G; (General Review)
Journal Announcement: 9605W3
Abstract: The primary goal of PIMS is to improve the PHALANX Weapon System's availability and to reduce mean time to repair. PIMS accomplishes this by integrating all maintenance activities into a seamless maintenance environment. PIMS combines the Integrated Diagnostic System, **automated** preventative **maintenance** procedures, electronic technical **manual** , and supply support **database** information in a Windows environment. In doing so, access to all maintenance documentation has been improved along with the integrity of the information contained in the manuals. PIMS also provides the technician another new and unique option in performing maintenance. By providing a ruggedized, portable computer, mobile access to all PIMS functions is now possible above deck at the weapon system. PIMS accomplishes the Navy's initiative for a paperless ship and in doing so helps to reduce the weight on board. PIMS also reduces the cost of providing documentation for an installation and reduces the time needed to incorporate a change to the technical manuals. Once PIMS is installed, all these benefits will be evident and will lead to an immediate reduction in maintenance time. (Author abstract)
Descriptors: *Electronic **ship equipment** ; Ordnance; Warships; Maintenance; Radar systems; Computer control; Tracking (position); Computer software; Database systems
Identifiers: PHALANX integrated maintenance system (PIMS); Electronic maintenance system; Close in weapon system
Classification Codes:
671.2 (Ship Equipment); 404.1 (Military Engineering); 672.1 (Combat Naval Vessels); 913.5 (Maintenance); 716.2 (Radar Systems & Equipment); 723.5 (Computer Applications)
671 (Naval Architecture); 404 (Military Engineering); 672 (Naval Vessels); 913 (Production Planning & Control); 716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software)
67 (MARINE ENGINEERING); 91 (ENGINEERING MANAGEMENT); 71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING)

**15/5/4 (Item 3 from file: 8)**
DIALOG(R)File 8:Ei Compendex(R)
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

03651080 E.I. No: EIP93050804521
**Title: Design, failure, and condition oriented boiler assessment program**
Author: Chang, Peter S.
Corporate Source: Tennessee Valley Authority, Chattanooga, TN, USA
Conference Title: 5th International Conference and Exhibition for the Power Generating Industries - POWER-GEN '92
Conference Location: Orlando, FL, USA Conference Date: 19921117-19921119
E.I. Conference No.: 18544
Source: Fossil Plant Retrofit & Repowering and Fossil Plant Performance Improvement International Exhibition & Conference for the Power Generation Industries - Power-Gen v 11-12 1992. Publ by Power-Gen, Houston, TX, USA. p 309-329
Publication Year: 1992
CODEN: 85LAAI

Language: English
Document Type: CA; (Conference Article) Treatment: G; (General Review); A; (Applications)
Journal Announcement: 9308W1
Abstract: Tennessee Valley Authority (TVA) has 59 fossil units with an average age of 34 years. It is imperative to maintain the units in a highly available status. As part of a boiler assessments and upgrades program, TVA has initiated a boiler condition assessment program. A design, failure, and operation condition-oriented condition assessment program can assure a cost effective predictive failure prevention. The results can be used to determine the health of the boiler pressure components and to identify problem areas for future improvements. The factors influencing the establishment of a condition assessment program include administrative support, technical expertise, and economical considerations. The scope of the condition assessment was developed by considering the establishment of a baseline condition of the boilers, component failure history, past replacements, previous inspection findings, abnormal operating conditions, critical design parameters, maintenance records, and statistical representations of the present condition of the boilers. Detailed knowledge of the component design, plant system operations, on-line monitoring techniques, and inspection methods was essential. Understanding the component failure mechanisms and potential root causes was important in selecting the proper NDE technique to be used for the damage assessment. It is imperative to balance the design, operation, the on-line monitoring, condition assessments and maintenance effort for long-term benefits. A data management system was selected to process the volumes of data in a timely manner to identify the immediate actions required after the condition assessment. The data management system is also used to document the boiler material, welding information, circuitry **configurations** , and **maintenance records** . (Author abstract) 15 Refs.
Descriptors: *Boilers; Design; Failure ( **mechanical** ); **Components** ; Nondestructive examination; Monitoring; Computer applications; Costs; Data processing; Fossil fuel power plants
Identifiers: Condition oriented boiler assessment programs; Technical expertise; Administrative support; Economical considerations; Component failure mechanisms
Classification Codes:
614.1 (Steam Power Plant Design & Construction); 614.2 (Steam Power Plant Equipment & Operation); 723.5 (Computer Applications); 911.2 (Industrial Economics); 723.2 (Data Processing)
614 (Steam Power Plants); 723 (Computer Software); 911 (Industrial Economics)
61 (PLANT & POWER ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 91 (ENGINEERING MANAGEMENT)

**15/5/5 (Item 4 from file: 8)**
DIALOG(R)File 8:Ei Compendex(R)
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

01986532 E.I. Monthly No: EI8607056132 E.I. Yearly No: EI86021397
**Title: EMBEDDED MENUS: SELECTING ITEMS IN CONTEXT.**
Author: Koved, Larry; Shneiderman, Ben
Source: Communications of the ACM v 29 n 4 Apr 1986 p 312-318
Publication Year: 1986
CODEN: CACMA2 ISSN: 0001-0782
Language: ENGLISH
Document Type: JA; (Journal Article) Treatment: A; (Applications)
Journal Announcement: 8607
Abstract: Embedded menus, where menu items are embedded within the information being displayed on the screen, in some respects represent an

improvement on the more traditional explicit menu. In embedded menus, highlighted or underlined words or phases within the text become the menu items. The authors describe their own experience with embedded menus begun in the interest of providing adequate man-machine interfaces for two textual databases: the Interactive Encyclopedia Systems (TIES), a European history database functioning in a museum environment; and the **OnLine Maintenance Manual** (OLMM) system, an **on - line maintenance manual** for electrical and **mechanical equipment repair** . They review the use of embedded menus in these two specific systems and examine the more general application of embedded menus in interactive spelling checkers, language-based program editors, and interactive graphics systems. They address the relative advantages and disadvantages of embedded menus in different contexts, highlighting areas of equivocation where more research is warranted. 16 refs.

Descriptors: *COMPUTER INTERFACES; DATABASE SYSTEMS
Identifiers: EMBEDDED MENUS; MENU-DRIVEN SYSTEMS
Classification Codes:
722 (Computer Hardware); 723 (Computer Software)
72 (COMPUTERS & DATA PROCESSING)

**15/5/6 (Item 1 from file: 6)**
DIALOG(R)File 6:NTIS
(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

1907819 NTIS Accession Number: PB95-264016
**Structural Maintenance for New and Existing Ships. Study 2. Corrosion Damage Evaluations. Ship** Maintenance **Information System (SMIS). Program** Documentation **for the** Database **Management System for the Tanker Information Database (TID). Includes Theoretical Documentation**
(Final rept)
Mayoss, R.
California Univ., Berkeley. Dept. of Naval Architecture and Offshore Engineering.
Corp. Source Codes: 005029002
Sponsor: Ship Structure Committee, Washington, DC.
Report No.: SMP-2-3; SSC-386-2-3
Sep 92 42p
Languages: English
Journal Announcement: GRAI9523
See also PB95-261608 and PB95-264024. Sponsored by Ship Structure Committee, Washington, DC.
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A03/MF A01
Country of Publication: United States
Contract No.: SSC-59275
This report is one in a series of reports conducted as part of a two year Joint Industry Research Project Structural Maintenance for New and Existing Ships initiated in June 1990 by the Department of Naval Architecture and Offshore Engineering of the University of California at Berkeley to both develop practical tools and procedures for the analysis of proposed ship structural repairs and to prepare guidelines for the cost effective design and construction of lower-maintenance ship structures. This project was organized into six studies. The report is based on the results of Study 2 -- Corrosion Damage Evaluations. The report documents the programming of the Ship Maintenance Information System (SMIS) and includes some of the theoretical documentation.

Descriptors: *Tanker **ships** ; *Corrosion; * **Ship** structural **components** ; * **Data bases** ; *Management information systems; *User **manuals** ; Damage assessment; **Maintenance** management; Naval architecture; Computer programs ; Maintenance; Inspection

Identifiers: *Tanker Information Database; *Ship Maintenance Information System; NTISDOTCG

Section Headings: 47A (Ocean Technology and Engineering--Marine Engineering); 71G (Materials Sciences--Corrosion and Corrosion Inhibition); 70C (Administration and Management--Management Information Systems)

**15/5/7 (Item 2 from file: 6)**

DIALOG(R)File 6:NTIS

(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

1907787 NTIS Accession Number: PB95-261772

**Structural Maintenance for New and Existing Ships. Study 1. Fatigue Damage** Evaluations . **SMP Tanker** Database . Documentation (Final rept)

Bea, R. G. ; Schulte-Strathaus, R.

California Univ., Berkeley. Dept. of Naval Architecture and Offshore Engineering.

Corp. Source Codes: 005029002

Sponsor: Ship Structure Committee, Washington, DC.

Report No.: SMP-1-9; SSC-386-1-9

Sep 92 38p

Languages: English

Journal Announcement: GRAI9523

See also PB95-261582 and PB95-261780. Sponsored by Ship Structure Committee, Washington, DC.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A03/MF A01

Country of Publication: United States

Contract No.: SSC-59275

This report is one in a series of reports conducted as part of a two year Joint Industry Research Project 'Structural Maintenance for New and Existing Ships' initiated in June 1990 by the Department of Naval Architecture and Offshore Engineering of the University of California at Berkeley to both develop practical tools and procedures for the anlaysis of proposed ship structural repairs and to prepare guidelines for the cost effective design and construction of lower-maintenance ship structures. This project was organized into six studies. The report is based on the results of Study 1 -- Fatigue Damage Evaluations whose objective is to develop and verify engineering guidelines for the evaluation of fatigue damage to critical structural **components** of existing **ships** . In particular, the development of the Tanker Information Database is documented in this report. This includes a summary of the development of the separate corrosion and crack databases and a detailed description of the improved database structure of the combined databases.

Descriptors: ***Shi** p structural **components** ; *Data bases; *Fatigue(Mechanics); *Tanker **ships** ; *Cracks; Structural failure; Design analysis; Stress analysis; Naval architecture; Maintenance; Structural analysis; Damage assessment

Identifiers: *Tanker Information Database; NTISDOTCG

Section Headings: 47A (Ocean Technology and Engineering--Marine Engineering); 46E (Physics--Structural Mechanics)

**15/5/8 (Item 3 from file: 6)**
DIALOG(R)File 6:NTIS
(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

1553147 NTIS Accession Number: AD-D014 641/5
**Multi-Sonobuoy Launch Container with Mechanical Actuator**
(Patent Application)
Dragonuk, L.
Department of the Navy, Washington, DC.
Corp. Source Codes: 001840000; 110050
Report No.: PAT-APPL-7-554 324
Filed 18 Jul 90 18p
Languages: English Document Type: Patent
Journal Announcement: GRAI9107
This Government-owned invention available for U.S. licensing and, possibly, for foreign licensing. Copy of application available NTIS. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC N03/MF A01
Country of Publication: United States
A multi-store launch container is disclosed wherein a plurality of **stores** , **maintained** in a tandem **configuration** therein, can be sequentially ejected. The container is normally carried by a vehicle and receives the necessary charges, of for instance pressurized gas, at its breach end. A spring-biased cocking mechanism forces open a first port cover and maintains a second port cover in the closed position. After the first charge is fired, the cocking mechanism allows the port covers to pivot and the first port is now tightly shut and the second port open for the next charge. Patent Applications. (jhd)
Descriptors: *Launchers; *Patent applications; Actuators; Closures; Configurations; Sonobuoys; **Mechanical components** ; Position(Location); Pressurization
Identifiers: *Sonobuoy Launchers; NTISGPN
Section Headings: 79I (Ordnance--Underwater Ordnance); 90I (Government Inventions For Licensing--Ordnance)

**15/5/9 (Item 4 from file: 6)**
DIALOG(R)File 6:NTIS
(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

1180048 NTIS Accession Number: AD-A154 101/0
**Conducting Integrated Logistics Overhauls for Phased Maintenance Ships Homeported in the Western Pacific with Emphasis in the USS Sterett**
(Master's thesis)
Hillegas, D. W.
Naval Postgraduate School, Monterey, CA.
Corp. Source Codes: 019895000; 251450
Dec 84 76p
Languages: English Document Type: Thesis
Journal Announcement: GRAI8517
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A05/MF A01
Country of Publication: United States
This thesis addresses the problem of conducting highly compressed

Integrated Logistics Overhauls (ILOs) during four month docking selected restricted availabilities for phased maintenance program ships homeported in the Western Pacific Ocean. Current ILO policies and procedures are discussed as well as the Western Pacific ILO site capabilities and plans for the USS Sterett ILO scheduled to commence in September 1985. The salient issues surrounding the ability of Western Pacific ILO sites to accomplish highly compressed ILOs are analyzed and evaluated. Specific recommendations are provided to improve the effectiveness of the USS Sterett ILO and the capabilities of the Western Pacific sites to provide ILOs to phased maintenance program ships. The importance of the ILO should not be underestimated in that it provides a complete validation of the shipboard equipment **configuration records** and corresponding **repair** parts, technical manuals, and preventative maintenance documentation support. The effectiveness of the ILO directly affects te ship's logistics readiness effectiveness for the subsequent five years.

Descriptors: *Maintenance; *Naval logistics; *Cruisers; *Logistics support; Compression; Configurations; Documents; Integrated systems; Logistics; Manuals; Operational readiness; Pacific Ocean; Phase; Policies; Preventive maintenance; Records; Repair; Shipboard; **Ships** ; Sites; Spare **parts** ; Theses; Validation; Guided missile **ships** ; Scheduling

Identifiers: *Overhauling; ILS(Integrated Logistics Support); ILO(Integrated Logistics Overhauls); NTISDODXA

Section Headings: 74E (Military Sciences--Logistics, Military Facilities, and Supplies); 47A (Ocean Technology and Engineering--Marine Engineering)

**15/5/10 (Item 1 from file: 34)**

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2005 Inst for Sci Info. All rts. reserv.

09967385 Genuine Article#: 468YP Number of References: 22

**Title: Constructing multilevel metadata networks for sharing dispersed and transient information in a mobile environment**

Author(s): Phoha S (REPRINT)
Corporate Source: Penn State Univ,Appl Res Lab,University Pk//PA/16802 (REPRINT); Penn State Univ,Appl Res Lab,University Pk//PA/16802

Journal: MULTIMEDIA TOOLS AND APPLICATIONS, 2001, V15, N2 (NOV), P203-218
ISSN: 1380-7501 Publication date: 20011100
Publisher: KLUWER ACADEMIC PUBL, SPUIBOULEVARD 50, PO BOX 17, 3300 AA DORDRECHT, NETHERLANDS
Language: English Document Type: ARTICLE
Geographic Location: USA
Journal Subject Category: COMPUTER SCIENCE, INFORMATION SYSTEMS; COMPUTER SCIENCE, SOFTWARE, GRAPHICS, PROGRAMMING; COMPUTER SCIENCE, THEORY & METHODS; ENGINEERING, ELECTRICAL & ELECTRONIC

Abstract: An intelligent multi-user mechanism has been prototyped at the Information System Collaboratory of the Pennsylvania State University, which is capable of resolving global queries with differing and overlapping information needs, spatial scalability and temporal assumptions. The sources of information for this prototype are mechanical damage monitoring sensors embedded in **equipment** at plant sites, on-board **ships** or aircrafts, archived historical and diagnostic databases like those available through NALCOMIS (NAVMASSO document J-004 EM-001C, 1995) logistics and **maintenance databases** at depots, interactive electronic technical **manuals** stored in **databases** , dynamic models of damage, and models of operational performance. The concept-of-operation includes mobile access to this information by **equipment** maintainers on-board **ships** , aircrafts and other mobile platforms. Real-time interoperation of these system components and databases, under dynamic equipment operating conditions

of thermo-mechanical and environmental stress, requires complex interactions of internal representations of sensor data, performance requirements, resources and equipment models, with rich semantics. To support such interactions, following the work of Bright, Hurson and Pakzad (Bright, Hurson, and Pakzad, Transactions on Database Systems, Vol. 19, No. 2, pp. 212-253, 1994) local schema terms of available data sources are organized as the leaf nodes in a semantic network of metadata. The physical nodes of the network are partitioned into a top-down multi-level search control structure of increasing precision and decreasing semantic aggregation. Each physical node supports search through all lower layers of metadata in connected tree configurations. The resulting multilayered semantic network is modeled as a Thesaurus of terms T and relationships R. A relationship in R may be crisp or fuzzy. The DTIC (Defense Technical Information Center) thesaurus for equipment maintenance was used as a starting point in this work. It was further enhanced by application specific terms and endowed with a distance function. This distance function is used to formulate user adaptable Graphic User Interfaces (GUI) for making quality of service tradeoffs in the resolution of global queries.

Step-by-step construction of the thesaurus as a multilevel metadata network, its scalability, dynamic adaptation through usage, and tolerance of semantic imprecision in query resolution are discussed in this paper. Furthermore, performance metrology for evaluating quality of service in global query resolution is also developed (Phoha, in Proceedings of the NIST Workshop on Advancing Measurements and Testing for Information Technology, Gaithersburg, MD, Oct. 1998).

This work was funded by DARPA for the past four years under grant DE-FC36-94G010064, for establishing a National Information Infrastructure Testbed for Electronic Commerce in equipment health monitoring, failure diagnosis and prognosis services.

Descriptors--Author Keywords: metadata ; semantic network ; thesaurus ; semantic distance ; global queries resolution ; retrievalist adaptation mechanism

Cited References:

*INT ORG STAND, 1989, 2788 ISO
ARENS Y, 1987, P ACL
BANDLER W, 1997, V25, P399, INT J GEN SYST
BANDLER W, 1986, V13, P47, INT J GEN SYST
BANDLER W, 1980, P341, FUZZY SETS THEORY AP
BRIGHT MW, 1991, P306, P WORKSH INT MULT SY
BRIGHT MW, 1994, V19, P212, ACM T DATABASE SYST
BYRD RJ, 1989, P 5 ANN C CTR NEW OX
DASH K, 1994, P47, P INT C INT INF MAN
DEBAETS B, 1993, V60, P109, FUZZY SET SYST
GAY LS, 1988, INTEPRETING NOMINAL
KOHOUT LJ, 1998, ISICCIRAISAS 98 GAIT
LEE RB, 1960, GRAMMAR ENGLISH NOMI
LEVI JN, 1979, SYNTAX SEMANTICS COM
MCDONALS DB, 1995, J004EM001C NAVMASSO
PHOHA S, 1998, P NIST WORKSH ADV ME
PHOHA S, 1996, P IEEE C DEC CONTR D
PHOHA S, 1998, INFORMATION BROKER A
SCHATZ BR, 1996, INTERACTIVE TERM SUG
SCHVANEVELDT RW, 1990, PATHFINDER ASS NETWO
TARSKI A, 1941, V6, P73, J SYMBOLIC LOGIC
ZHA H, 1998, LECT NOTES COMPUTERS

**15/5/11 (Item 1 from file: 63)**

Sylvia Keys 19-Apr-05 11:45 AM

DIALOG(R)File 63:Transport Res(TRIS)
(c) fmt only 2005 Dialog Corp. All rts. reserv.

00796076 DA
**TITLE: FROM THE FIELD: AN OVERVIEW OF FLEET MANAGEMENT**
AUTHOR(S): Keene, D
CORPORATE SOURCE: Public Works Journal Corporation, 200 South Broad Street, Ridgewood , NJ, 07451,
JOURNAL: Public Works Vol: 131 Issue Number: 8 Pag: pp 42-46
PUBLICATION DATE: 20000700 PUBLICATION YEAR: 2000
LANGUAGE: English SUBFILE: HRIS (H)
ISSN: 00333840
AVAILABILITY: Public Works Journal Corporation; 200 South Broad Street ; Ridgewood ; NJ ; 07451
ORDER NUMBER: N/A
ABSTRACT: This article provides an overview of fleet management. Key areas to effective fleet management examined here include: preventive/predictive **maintenance** , **computerized** work management, bid **specifications** , training and certification, warranty programs, **online** /consignment **repair** parts, contract services, and the use of support equipment/facilities.
DESCRIPTORS: Maintenance **equipment** ; Maintenance management; Maintenance practices; **Fleet** management; Public works departments; Organization; Vehicle operations; Motor vehicles
SUBJECT HEADING: H40 MAINTENANCE, GENERAL; I61 EQUIPMENT AND MAINTENANCE METHODS

**15/5/12 (Item 2 from file: 63)**
DIALOG(R)File 63:Transport Res(TRIS)
(c) fmt only 2005 Dialog Corp. All rts. reserv.

00380140 DA
**TITLE: MANAGEMENT TOOLS FOR IMPROVING MAINTENANCE PERFORMANCE: WORKSHOP REPORT**
CORPORATE SOURCE: Transportation Research Board, 2101 Constitution Avenue, NW , Washington, DC, 20418,
JOURNAL: Transportation Research Board Special Report Issue Number: 198 Pag: pp 34-36
SUPPLEMENTAL NOTES: This paper appeared in Transportation Research Board Special Report 198: Bus Maintenance Improvement; Proceedings of the Bus Maintenance Improvement Workshop, April 14-16, 1982, St. Louis, Missouri.
PUBLICATION DATE: 19830000 PUBLICATION YEAR: 1983
LANGUAGE: English SUBFILE: UMTRIS (U 8401)
AVAILABILITY: Transportation Research Board Business Office; 2101 Constitution Avenue, NW ; Washington; DC ; 20418
ABSTRACT: Two general categories of concern emerged: The need to collect historical bus data and the need to develop methods to use the data. Seven specific areas requiring R&D are listed in the order of their importance: Management information systems specifically for maintenance (Preventive maintenance scheduling, inventory control, failure monitoring, work-order processing and status tracking); training programs aiding the transition from **manual** to **computerized** **maintenance** information systems; **automated** data collection systems for **maintenance** ; a national information network for sharing data on major model-specific bus defects; management tools and information systems that would facilitate the purchase of quality products within a low-bid system; simulation and failure models for bus maintenance that would facilitate maintenance planning; a system for cross-referencing